Reviewer’s report

Title: Immunohistochemical study of N-epsilon-carboxymethyl lysine (CML) in human brain: relation to vascular dementia

Version: 1 Date: 29 March 2007

Reviewer: Marie-Paule Wautier

Reviewer’s report:

General
The article entitled « Immunohistochemical study of N-epsilon-carboxymethyl lysine (CML) in human brain : relation to vascular dementia » by Southern L et al. described a relationship between CML accumulation in brain, cerebral dysfunction and mortality.

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)
This article is original despite previous publications reporting AGE accumulation in brain correlated to age of death. The survey of the literature dealing with AGE/CML misses several articles and recent publications. The authors should state that their study has been approved by an ethical committee. Since major information is CML accumulation detected by immunological techniques the specificity of the anti-CML antibody should extensively detailed.

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

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Discretionary Revisions (which the author can choose to ignore)

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What next?: Accept after minor essential revisions

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.